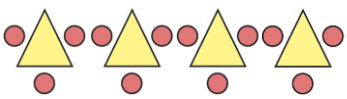
Y6 – Spring – Block 2 – Step 5 – Formulae Answers

<table>
<tr><th>Question</th><th>Answer</th></tr>
<tr><td>1</td><td>
a)
 
b)
<table>
<tr><td>Number of triangles</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr>
<tr><td>Number of circles</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td></tr>
</table>
c)
$c = t + 3$ | $c = 3t$ | $t = 3c$ | $t = 3 + c$
d) 30
$3 \times 10 = 30$
</td></tr>
<tr><td>2</td><td>
a)
<table>
<tr><td>Number of weeks</td><td>1</td><td>2</td><td>3</td><td>5</td><td>10</td></tr>
<tr><td>Number of days</td><td>7</td><td>14</td><td>21</td><td>35</td><td>70</td></tr>
</table>
b) $d = 7w$
c) 224
</td></tr>
<tr><td>3</td><td>
a) area $= ab$
perimeter $= 2a + 2b$
b) area $= 136$ cm^2
perimeter $= 50$ cm
</td></tr>
<tr><td>4</td><td>
a) area $= d^2$
perimeter $= 4d$
b) area $= 72.25$ cm^2
perimeter $= 34$ cm
</td></tr>
<tr><td>5</td><td>
a)
<table>
<tr><td>Number of squares, s</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr>
<tr><td>Number of lolly sticks, l</td><td>4</td><td>7</td><td>10</td><td>13</td><td>16</td></tr>
</table>
b) 31
c)
$l = 3s + 1$ | $l = 4s + 1$ | $l = 3(s + 1)$
</td></tr>
<tr><td>6</td><td>
a) £29
b) $c = 12h + 5$
</td></tr>
<tr><td>7</td><td>
a) £15.50
b) $c = 2n + 1.5$
</td></tr>
</table>